

L1 STRUCTURE UPLOADED

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.44 | 0.65 |

STN INTERNATIONAL LOGOFF AT 11:16:43 ON 11 SEP 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11 KOREPAT updates resume
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in INPADOC
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 18 SEP 11 CA/CAplus enhanced with more pre-1907 records

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

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```
=> s e1-e39
 1 1001-53-2/BI
      (1001-53-2/RN)
 1 105-36-2/BI
      (105-36-2/RN)
 1 111-40-0/BI
      (111-40-0/RN)
 1 112-24-3/BI
      (112-24-3/RN)
 1 12678-01-2/BI
      (12678-01-2/RN)
 1 14133-76-7/BI
      (14133-76-7/RN)
 1 14378-26-8/BI
      (14378-26-8/RN)
 1 14998-63-1/BI
      (14998-63-1/RN)
 1 193206-49-4/BI
      (193206-49-4/RN)
 1 20830-81-3/BI
      (20830-81-3/RN)
 1 24424-99-5/BI
      (24424-99-5/RN)
 1 25908-22-9/BI
      (25908-22-9/RN)
 1 260-94-6/BI
      (260-94-6/RN)
 1 26455-95-8/BI
      (26455-95-8/RN)
 1 289661-18-3/BI
      (289661-18-3/RN)
 1 289661-19-4/BI
      (289661-19-4/RN)
 1 289661-20-7/BI
      (289661-20-7/RN)
 1 289661-21-8/BI
      (289661-21-8/RN)
 1 289661-22-9/BI
      (289661-22-9/RN)
 1 289661-23-0/BI
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NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes

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| | |
|------------|---------------------------------------------------------------|
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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=> s us 20050019254/pn
L1 1 US 20050019254/PN
(US2005019254/PN)

=> sel rn
E1 THROUGH E39 ASSIGNED

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 2.49 2.70

(289661-23-0/RN)
1 289661-24-1/BI
(289661-24-1/RN)
1 289661-25-2/BI
(289661-25-2/RN)
1 289661-26-3/BI
(289661-26-3/RN)
1 289661-27-4/BI
(289661-27-4/RN)
1 289661-28-5/BI
(289661-28-5/RN)
1 289661-29-6/BI
(289661-29-6/RN)
1 289705-40-4/BI
(289705-40-4/RN)
1 289705-41-5/BI
(289705-41-5/RN)
1 51-17-2/BI
(51-17-2/RN)
1 519-23-3/BI
(519-23-3/RN)
1 5470-96-2/BI
(5470-96-2/RN)
1 56420-45-2/BI
(56420-45-2/RN)
1 59065-50-8/BI
(59065-50-8/RN)
1 65271-80-9/BI
(65271-80-9/RN)
1 7439-96-5/BI
(7439-96-5/RN)
1 85-02-9/BI
(85-02-9/RN)
1 86-74-8/BI
(86-74-8/RN)
1 91-63-4/BI
(91-63-4/RN)
1 98-88-4/BI
(98-88-4/RN)

L2 39 (1001-53-2/BI OR 105-36-2/BI OR 111-40-0/BI OR 112-24-3/BI OR
12678-01-2/BI OR 14133-76-7/BI OR 14378-26-8/BI OR 14998-63-1/BI
OR 193206-49-4/BI OR 20830-81-3/BI OR 24424-99-5/BI OR 25908-22-
9/BI OR 260-94-6/BI OR 26455-95-8/BI OR 289661-18-3/BI OR 289661-
19-4/BI OR 289661-20-7/BI OR 289661-21-8/BI OR 289661-22-9/BI OR
289661-23-0/BI OR 289661-24-1/BI OR 289661-25-2/BI OR 289661-26-3
/BI OR 289661-27-4/BI OR 289661-28-5/BI OR 289661-29-6/BI OR
289705-40-4/BI OR 289705-41-5/BI OR 51-17-2/BI OR 519-23-3/BI OR
5470-96-2/BI OR 56420-45-2/BI OR 59065-50-8/BI OR 65271-80-9/BI
OR 7439-96-5/BI OR 85-02-9/BI OR 86-74-8/BI OR 91-63-4/BI OR
98-88-4/BI)

=> d 1-39

L2 ANSWER 1 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289705-41-5 REGISTRY
ED Entered STN: 20 Sep 2000
CN Rhenium, aqua(benzo[f]quinoline-3-carboxylato-
κN4,κO3)tricarbonyl-, (OC-6-44)- (9CI) (CA INDEX NAME)
MF C17 H10 N O6 Re
CI CCS
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 1 in file .gra /

NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
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FILE 'HOME' ENTERED AT 11:15:54 ON 11 SEP 2006

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 11:16:16 ON 11 SEP 2006
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=>
Uploading c:\program files\stnexp\queries\10707994 fig.2

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DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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<http://www.cas.org/ONLINE/UG/reqprops.html>

=> Uploading c:\program files\stnexp\queries\10707994 fig.2b

1.1 STRUCTURE UPLOADED

```
=> s 11 exa full
FULL SEARCH INITIATED 11:18:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -          22 TO ITERATE
```

100.0% PROCESSED 22 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L2 1 SEA EXA FUL L1

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289705-40-4 REGISTRY
ED Entered STN: 20 Sep 2000
CN Ethanaminium, N,N,N-triethyl-, (OC-6-44)-(benzo[f]quinoline-3-carboxylato-
κN4,κO3)bromotricarbonylrhenate(1-) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Rhenate(1-), (benzo[f]quinoline-3-carboxylato-
κN4,κO3)bromotricarbonyl-, (OC-6-44)-, N,N,N-
triethylethanaminium (9CI)
MF C17 H8 Br N O5 Re . C8 H20 N
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 289705-39-1
CMF C17 H8 Br N O5 Re
CCI CCS

/ Structure 2 in file .gra /

CM 2

CRN 66-40-0
CMF C8 H20 N

/ Structure 3 in file .gra /

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-29-6 REGISTRY
ED Entered STN: 19 Sep 2000
CN Glycine, N-[2-(formylamino)ethyl]-N-(2-pyridinylmethyl)- (9CI) (CA INDEX
NAME)
FS 3D CONCORD
MF C11 H15 N3 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 4 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-28-5 REGISTRY
ED Entered STN: 19 Sep 2000
CN 1,2-Ethanediamine, N-(2-aminoethyl)-N'-(2-quinolinylmethyl)-,
hydrochloride (9CI) (CA INDEX NAME)
MF C14 H20 N4 . x Cl H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CRN (289661-24-1)

/ Structure 5 in file .gra /

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-27-4 REGISTRY
ED Entered STN: 19 Sep 2000
CN 1,2-Ethanediamine, N-(2-quinolinylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)
MF C12 H15 N3 . x Cl H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (289661-21-8)

/ Structure 6 in file .gra /

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-26-3 REGISTRY
ED Entered STN: 19 Sep 2000
CN Glycine, N-(2-aminoethyl)-N-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C10 H15 N3 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 7 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-25-2 REGISTRY
ED Entered STN: 19 Sep 2000
CN Glycine, N-[2-(formylamino)ethyl]-N-(2-pyridinylmethyl)-, ethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H19 N3 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 8 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 8 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-24-1 REGISTRY
ED Entered STN: 19 Sep 2000
CN 1,2-Ethanediamine, N-(2-aminoethyl)-N'-(2-quinolinylmethyl)- (9CI) (CA

INDEX NAME)
FS 3D CONCORD
MF C14 H20 N4
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 9 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 9 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-23-0 REGISTRY
ED Entered STN: 19 Sep 2000
CN Carbamic acid, [2-[[2-[(2-quinolinylmethyl)amino]ethyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H28 N4 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 10 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 10 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-22-9 REGISTRY
ED Entered STN: 19 Sep 2000
CN Carbamic acid, [2-[[2-[(2-quinolinylmethylene)amino]ethyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H26 N4 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 11 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 11 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-21-8 REGISTRY
ED Entered STN: 19 Sep 2000
CN 1,2-Ethanediamine, N-(2-quinolinylmethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H15 N3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 12 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 12 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-20-7 REGISTRY
ED Entered STN: 19 Sep 2000
CN Acetamide, N-[2-[(2-quinolinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H17 N3 O
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 13 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 13 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-19-4 REGISTRY
ED Entered STN: 19 Sep 2000
CN Acetamide, N-[2-[(2-quinolinylmethylene)amino]ethyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H15 N3 O
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

/ Structure 14 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 14 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-18-3 REGISTRY
ED Entered STN: 19 Sep 2000
CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)
MF C14 H9 N O2 . Br H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (65714-31-0)

/ Structure 15 in file .gra /

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 15 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 193206-49-4 REGISTRY
ED Entered STN: 28 Aug 1997
CN Carbamic acid, [2-[(2-aminoethyl)amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD
MF C9 H21 N3 O2
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, CSCHEM, TOXCENTER, USPATFULL

/ Structure 16 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 16 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 65271-80-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN 9,10-Anthracenedione, 1,4-dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1,4-Bis[(2-(2-hydroxyethylamino)ethyl)amino]-5,8-dihydroxyanthraquinone
CN 1,4-Dihydroxy-5,8-bis-[[2-[(2-hydroxyethyl)amino]ethyl]amino]anthraquinone
CN 1,4-Dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione
CN DHAQ
CN Dihydroxyanthraquinone
CN Mitoxanthrone
CN Mitoxantrone
CN Mitozantrone
CN Novantron
CN Novantrone
CN NSC 279836
CN Ralenova
FS 3D CONCORD
DR 137635-96-2, 70945-62-9
MF C22 H28 N4 O6
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: WHO

/ Structure 17 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2976 REFERENCES IN FILE CA (1907 TO DATE)
104 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2985 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 17 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 59065-50-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN Formamide, N-[2-[(2-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C9 H13 N3 O
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL

/ Structure 18 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 18 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 56420-45-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN 5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy- α -L-arabino-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S,10S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy- α -L-arabino-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S-cis)-
OTHER NAMES:
CN 4'-epi-Adriamycin
CN 4'-epi-Doxorubicin
CN 4'-Epi-DX
CN 4'-Epidriamycin
CN 4'-Epidoxorubicin
CN Epiadriamycin
CN Epodoxorubicin
CN Epirubicin
CN Farmarubicin
CN Farmarubicine
CN IMI 28
CN NSC 256942
CN Phamarubicin
CN Pidorubicin
CN WP 697
FS STEREOSEARCH
DR 57918-25-9
MF C27 H29 N O11
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DRUGU, EMBASE, HSDB*, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, NAPRALERT, PHAR, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: WHO

Absolute stereochemistry.

/ Structure 19 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2331 REFERENCES IN FILE CA (1907 TO DATE)
93 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2336 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 19 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 26455-95-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzo[f]quinoline-3-carbonitrile, 4-benzoyl-3,4-dihydro- (7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-Benzoyl-1,2-dihydrobenzo[f]quinaldonitrile
CN NSC 96541

FS 3D CONCORD
MF C21 H14 N2 O
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

/ Structure 20 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 20 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 25908-22-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN Ethanaminium, N,N,N-triethyl-, (OC-6-22)-tribromotricarbonylrhenate(2-)
(2:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ammonium, tetraethyl-, tribromotricarbonylrhenate(2-) (2:1), cis- (8CI)
CN Rhenate(2-), tribromotricarbonyl-, (OC-6-22)-, bis(N,N,N-
triethylethanaminium) (9CI)
CN Rhenate(2-), tribromotricarbonyl-, bis(tetraethylammonium), cis- (8CI)
OTHER NAMES:
CN Bis(tetraethylammonium) fac-tribromotricarbonylrhenate
CN Bis(tetraethylammonium) fac-tribromotricarbonylrhenate(2-)
CN Bis(tetraethylammonium) tribromotricarbonylrhenate(2-)
CN fac-Bis(tetraethylammonium) tribromotricarbonylrhenate(2-)
MF C8 H20 N . 1/2 C3 Br3 O3 Re
LC STN Files: CA, CAPLUS, CASREACT, GMELIN*, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

CM 1

CRN 44863-71-0
CMF C3 Br3 O3 Re
CCI CCS

/ Structure 21 in file .gra /

CM 2

CRN 66-40-0
CMF C8 H20 N

/ Structure 22 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

125 REFERENCES IN FILE CA (1907 TO DATE)
125 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 21 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 24424-99-5 REGISTRY
ED Entered STN: 16 Nov 1984
CN Dicarbonic acid, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Formic acid, oxydi-, di-tert-butyl ester (7CI, 8CI)
OTHER NAMES:

CN Bis(1,1-dimethylethyl) dicarbonate
CN Bis(tert-butyl) dicarbonate
CN BOC-anhydride
CN Di-tert-butyl dicarbonate
CN Di-tert-butyl oxydiformate
CN Di-tert-butyl pyrocarbonate
CN Pyrocarbonic acid di-tert-butyl ester
CN tert-Butoxycarbonyl anhydride
CN tert-Butyl dicarbonate
FS 3D CONCORD
MF C10 H18 O5
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, GMELIN*, IPA, MEDLINE, MSDS-OHS, PROMT, PS, RTECS*, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 23 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4922 REFERENCES IN FILE CA (1907 TO DATE)
155 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4941 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 22 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 20830-81-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN 5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy- α -L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S,10S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy- α -L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-
CN Daunomycin (8CI)
OTHER NAMES:
CN (+)-Daunomycin
CN Acetyladriamycin
CN Cerubidin
CN Daunoblastina
CN Daunomycine
CN Daunorubicin
CN Daunorubicine
CN DaunoXome
CN Leukaemomycin C
CN NSC 82151
CN NSC 83142
CN RP 13057
CN Rubidomycin
CN Rubomycin C
FS STEREOSEARCH
DR 11006-54-5, 11048-29-6, 1407-15-4, 23942-76-9, 149541-57-1, 27576-81-4, 28020-80-6
MF C27 H29 N O10
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PHAR,

PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTLINE, TOXCENTER, USAN, USPAT2,
USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.

/ Structure 24 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6301 REFERENCES IN FILE CA (1907 TO DATE)
667 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
6308 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 23 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 14998-63-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN Rhenium, isotope of mass 186 (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 186Re
CN Re 186
CN Re-186
CN Rhenium-186
MF Re
CI COM
LC STN Files: ADISNEWS, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS,
CBNB, CIN, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

/ Structure 25 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1121 REFERENCES IN FILE CA (1907 TO DATE)
402 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1123 REFERENCES IN FILE CAPLUS (1907 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 24 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 14378-26-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN Rhenium, isotope of mass 188 (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 188Re
CN Re 188
CN Rhenium-188
MF Re
CI COM
SR CA
LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB,
CIN, IPA, PROMT, TOXCENTER, USPAT2, USPATFULL

/ Structure 26 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1216 REFERENCES IN FILE CA (1907 TO DATE)
477 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1218 REFERENCES IN FILE CAPLUS (1907 TO DATE)
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 25 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 14133-76-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN Technetium, isotope of mass 99 (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 99Tc
CN Tc 99
CN Technetium-99
MF Tc
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMLIST, CIN, CSNB, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS, PROMT, TOXCENTER, USPAT2, USPATFULL

/ Structure 27 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9189 REFERENCES IN FILE CA (1907 TO DATE)
3642 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
9196 REFERENCES IN FILE CAPLUS (1907 TO DATE)
27 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 26 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 12678-01-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN Phenanthroline (7CI, 9CI) (CA INDEX NAME)
MF C12 H8 N2
CI COM, MAN
LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CIN, DETHERM*, EMBASE, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, TULSA, USPAT2, USPATFULL
(*File contains numerically searchable property data)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

265 REFERENCES IN FILE CA (1907 TO DATE)
84 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
267 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 27 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 7439-96-5 REGISTRY
ED Entered STN: 16 Nov 1984
CN Manganese (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Colloidal manganese
CN Cutaval
CN JIS-G 1213
CN Manganese element
CN Manganese fulleride (MnC₂₀)
CN Manganese-55
DR 8031-40-1, 8075-39-6, 17375-02-9, 39303-06-5, 195161-78-5
MF Mn
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, PIRA, PROMT, RTECS*, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 28 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

182431 REFERENCES IN FILE CA (1907 TO DATE)
9241 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
182655 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 28 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 5470-96-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN 2-Quinolinecarboxaldehyde (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Quinaldaldehyde (6CI, 7CI, 8CI)

OTHER NAMES:

CN 2-Formylquinoline

CN 2-Quinolinecarbaldehyde

CN 2-Quinolylaldehyde

CN 2-Quinolylcarbaldehyde

CN NSC 27026

FS 3D CONCORD

MF C10 H7 N O

CI COM

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, GMELIN*, IFICDB, IFIPAT, IFIUDB, PS, SPECINFO, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 29 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

449 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
451 REFERENCES IN FILE CAPLUS (1907 TO DATE)
29 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 29 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 1001-53-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN Acetamide, N-(2-aminoethyl)- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1,2-Ethanediamine, N-acetyl-

CN 2-(Acetylamino)ethylamine

CN 2-Acetamido-1-ethanamine

CN 2-Acetamidoethylamine

CN N-(2-Aminoethyl)acetamide

CN N-Acetyl-1,2-diaminoethane

CN N-Acetyl-1,2-ethanediamine

CN N-Acetyl-1,2-ethylenediamine

CN N-Acetylethylenediamine

CN N-Monoacetylethylenediamine

CN N1-Acetylethylenediamine

CN NSC 28936

FS 3D CONCORD
MF C4 H10 N2 O
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, IPA, SYNTHLINE,
TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

/ Structure 30 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

403 REFERENCES IN FILE CA (1907 TO DATE)
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
404 REFERENCES IN FILE CAPLUS (1907 TO DATE)
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 30 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 519-23-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN 6H-Pyrido[4,3-b]carbazole, 5,11-dimethyl- (7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ellipticine (6CI)
OTHER NAMES:
CN 5,11-Dimethyl-6H-pyrido[4,3-b]carbazole
CN CP 5
CN NSC 71795
FS 3D CONCORD
MF C17 H14 N2
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD,
CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU,
EMBASE, IPA, MEDLINE, MRCK*, NAPRALERT, PROMT, RTECS*, SPECINFO,
TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 31 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

652 REFERENCES IN FILE CA (1907 TO DATE)
138 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
653 REFERENCES IN FILE CAPLUS (1907 TO DATE)
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 31 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 260-94-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN Acridine (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 10-Azaanthracene
CN 2,3-Benzoquinoline
CN 9-Azaanthracene
CN Benzo[b]quinoline
CN Dibenzo[b,e]pyridine
CN NSC 3408
FS 3D CONCORD
MF C13 H9 N
CI COM, RPS

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 32 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4531 REFERENCES IN FILE CA (1907 TO DATE)
625 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4538 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 32 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 112-24-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1,2-Ethanediamine, N,N'-bis(2-aminoethyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Triethylenetetramine (8CI)
OTHER NAMES:
CN 1,4,7,10-Tetraazadecane
CN 1,8-Diamino-3,6-diazaoctane
CN 3,6-Diazaoctane-1,8-diamine
CN Ancamine TETA
CN Araldite Hardener HY 951
CN Araldite HY 951
CN DEH 24
CN Epicure 3234
CN HY 951
CN N,N'-Bis(2-aminoethyl)-1,2-diaminoethane
CN N,N'-Bis(2-aminoethyl)-1,2-ethanediamine
CN N,N'-Bis(2-aminoethyl)ethylenediamine
CN NSC 443
CN RT 1AX
CN Rutapox VE 2896
CN TECZA
CN TETA
CN TETA (crosslinking agent)
CN Trien
CN Tridentine
CN VE 2896
CN Z1
FS 3D CONCORD
DR 801997-18-2, 14175-14-5, 105093-20-7, 71124-11-3, 39421-77-7, 110670-33-2,
193487-08-0
MF C6 H18 N4
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 33 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5943 REFERENCES IN FILE CA (1907 TO DATE)
1697 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5949 REFERENCES IN FILE CAPLUS (1907 TO DATE)
114 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 33 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 111-40-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1,2-Ethanediamine, N-(2-aminoethyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Diethylenetriamine (8CI)
OTHER NAMES:
CN 1,4,7-Triazaheptane
CN 1,5-Diamino-3-azapentane
CN 2,2'-Diaminodiethylamine
CN 2,2'-Iminobis(ethanamine)
CN 2-(2-Aminoethylamino)ethylamine
CN 3-Azapentane-1,5-diamine
CN Ancamine DETA
CN Bis(β -aminoethyl)amine
CN Bis(2-aminoethyl)amine
CN ChS-P 1
CN DEH 20
CN DETA
CN Epicure T
CN Epon 3223
CN H 9506
CN N,N-Bis(2-aminoethyl)amine
CN N-(2-Aminoethyl)-1,2-ethanediamine
CN N-(2-Aminoethyl)ethylenediamine
CN NCI 138881
CN NSC 446
FS 3D CONCORD
DR 859039-00-2, 8076-55-9, 53303-76-7, 54018-92-7, 59135-90-9, 94700-17-1,
98824-35-2, 73989-30-7, 26915-78-6, 419553-44-9
MF C4 H13 N3
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA,
CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST,
CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT,
ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT,
IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT, RTECS*, SPECINFO,
SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 34 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9243 REFERENCES IN FILE CA (1907 TO DATE)
3097 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
9256 REFERENCES IN FILE CAPLUS (1907 TO DATE)
168 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 34 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 105-36-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN Acetic acid, bromo-, ethyl ester (6CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN (Ethoxycarbonyl)methyl bromide
CN α -Bromoacetic acid ethyl ester
CN 2-Bromoacetic acid ethyl ester
CN Antol
CN Bromoacetic acid ethyl ester
CN Ethyl α -bromoacetate
CN Ethyl 2-bromoacetate
CN Ethyl 2-bromoethanoate
CN Ethyl bromacetate
CN Ethyl bromoacetate
CN Ethyl bromoethanoate
CN Ethyl monobromoacetate
CN NSC 8832
FS 3D CONCORD
DR 679806-14-5
MF C4 H7 Br O2
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM*, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 35 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8356 REFERENCES IN FILE CA (1907 TO DATE)
27 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
8370 REFERENCES IN FILE CAPLUS (1907 TO DATE)
43 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 35 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 98-88-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzoyl chloride (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Benzaldehyde, α -chloro-
CN Benzenecarbonyl chloride
CN Benzoic acid chloride
FS 3D CONCORD
MF C7 H5 Cl O
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 36 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15950 REFERENCES IN FILE CA (1907 TO DATE)
407 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
15992 REFERENCES IN FILE CAPLUS (1907 TO DATE)
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 36 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 91-63-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN Quinoline, 2-methyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Quinaldine (8CI)
OTHER NAMES:
CN 2-Methylquinoline
CN Khinaldin
CN NSC 3397
FS 3D CONCORD
MF C10 H9 N
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA,
CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM,
CSNB, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB,
MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PROMT, RTECS*, SPECINFO, SYNTHLINE,
TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 37 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1992 REFERENCES IN FILE CA (1907 TO DATE)
53 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1992 REFERENCES IN FILE CAPLUS (1907 TO DATE)
15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 37 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 86-74-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 9H-Carbazole (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Carbazole (8CI)
OTHER NAMES:
CN 9-Azafluorene
CN Chlorophenesin carbamate
CN Dibenzopyrrole
CN Dibenzo[b,d]pyrrole
CN Diphenylenimine
CN NSC 3498
CN SKF 20091
FS 3D CONCORD
MF C12 H9 N
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA,
CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN,
CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,
ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA,
MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS*, SPECINFO,
SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB

=> d ibib 17

L7 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:413350 CAPLUS
DOCUMENT NUMBER: 122:176988
TITLE: Synthesis of Pyrroloquinolinequinone Analogs.
Molecular Structure and Moessbauer and Magnetic
Properties of Their Iron Complexes
AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.;
Battionni, J.-P.; Donnadieu, B.; Verelst, M.;
Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.
CORPORATE SOURCE: Laboratoire de Chimie de Coordination, CNRS, Toulouse,
31077, Fr.
SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23
CODEN: INOCAJ; ISSN: 0020-1669
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d hitstr 17

L7 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2006 ACS on STN
IT 161470-03-7P 161470-04-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and complexation with iron)
RN 161470-03-7 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester
(9CI) (CA INDEX NAME)

/ Structure 42 in file .gra /

RN 161470-04-8 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester
(9CI) (CA INDEX NAME)

/ Structure 43 in file .gra /

IT 161470-01-5P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and magnetic moment of)
RN 161470-01-5 CAPLUS
CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-
dicarboxylato(3-)O5,O6]-, compd. with N,N-diethylethanamine hydrochloride
(1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 161470-00-4
CMF C32 H16 Cl Fe N2 O12
CCI CCS

/ Structure 44 in file .gra /

CM 2

CRN 554-68-7
CMF C6 H15 N . Cl H

/ Structure 45 in file .gra /

=> d his

(FILE 'HOME' ENTERED AT 08:47:38 ON 11 SEP 2006)

FILE 'REGISTRY' ENTERED AT 08:48:06 ON 11 SEP 2006

L1 STRUCTURE uploaded
L2 1 S L1 EXA FULL
L3 21 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:49:49 ON 11 SEP 2006

L4 29 S L3
L5 0 S L3/THU
L6 0 S L3/DGN
L7 28 S L4 NOT PY>1999
L8 730006 S TUMOR? OR CANCER? OR NEOPLAS?
L9 0 S L8 AND L7

=> s technium

L10 2 TECHNIUM

=> s Tc99

L11 147 TC99

=> s l11 and l4

L12 0 L11 AND L4

=> s antibod? and l4

470558 ANTIBOD?
L13 0 ANTIBOD? AND L4

=> s radio? and l4

639924 RADIO?
L14 1 RADIO? AND L4

=> d ibib

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:608618 CAPLUS
DOCUMENT NUMBER: 133:204807
TITLE: Molecules for the treatment and diagnosis of tumors
INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|----------|
| WO 2000050086 | A1 | 20000831 | WO 2000-EP1553 | 20000224 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |

| | | | | |
|--------------------------------------------------------------------------------------------------|----|---------------------------------------------------------------------------------------------------|-----------------|-------------|
| CA 2360419 | AA | 20000831 | CA 2000-2360419 | 20000224 |
| EP 1154798 | A1 | 20011121 | EP 2000-910711 | 20000224 |
| EP 1154798 | B1 | 20060510 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY | | | | |
| JP 2002537360 | T2 | 20021105 | JP 2000-600696 | 20000224 |
| AT 325624 | E | 20060615 | AT 2000-910711 | 20000224 |
| US 6844425 | B1 | 20050118 | US 2001-913788 | 20010815 |
| US 2005019254 | A1 | 20050127 | US 2004-707994 | 20040130 |
| PRIORITY APPLN. INFO.: | | | | |
| | | | US 1999-121340P | P 19990224 |
| | | | EP 1999-200754 | A 19990312 |
| | | | WO 2000-EP1553 | W 20000224 |
| | | | US 2001-913788 | A1 20010815 |
| REFERENCE COUNT: | 10 | THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 29.21 | 253.34 |

STN INTERNATIONAL LOGOFF AT 08:56:34 ON 11 SEP 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:

x

Welcome to STN International! Enter x:

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

| | |
|---------------|--------------------------------------------------------------------|
| NEWS 1 | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS 2 | "Ask CAS" for self-help around the clock |
| NEWS 3 FEB 27 | New STN AnaVist pricing effective March 1, 2006 |
| NEWS 4 MAY 10 | CA/CAplus enhanced with 1900-1906 U.S. patent records |
| NEWS 5 MAY 11 | KOREAPAT updates resume |
| NEWS 6 MAY 19 | Derwent World Patents Index to be reloaded and enhanced |
| NEWS 7 MAY 30 | IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2 |
| NEWS 8 MAY 30 | The F-Term thesaurus is now available in CA/CAplus |
| NEWS 9 JUN 02 | The first reclassification of IPC codes now complete in INPADOC |

(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 38 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5803 REFERENCES IN FILE CA (1907 TO DATE)
609 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5816 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 38 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 85-02-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzo[f]quinoline (6CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN β -Naphthoquinoline
CN 1-Azaphenanthrene
CN 5,6-Benzoquinoline
CN 5,6-Benzo[f]quinoline
CN NSC 9850
FS 3D CONCORD
DR 76713-23-0
MF C13 H9 N
CI COM, RPS
LC STN Files: ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS,
CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, CSNB, DETHERM*,
EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, RTECS*,
SPECINFO, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 39 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

899 REFERENCES IN FILE CA (1907 TO DATE)
49 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
899 REFERENCES IN FILE CAPLUS (1907 TO DATE)
51 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 39 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 51-17-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1H-Benzimidazole (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzimidazole (6CI, 8CI)
OTHER NAMES:
CN 1,3-Benzodiazole
CN 1,3-Diazaindene
CN 3-Azaindole
CN Azindole
CN Benziminazole
CN Benzoglyoxaline
CN Benzoimidazole
CN BZI

CN N,N'-Methenyl-o-phenylenediamine
CN NSC 759
CN o-Benzimidazole
FS 3D CONCORD
DR 25463-25-6, 79351-71-6, 116421-27-3
MF C7 H6 N2
CI COM, RPS
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS,
BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE,
GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS,
NAPRALERT, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT,
USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

/ Structure 40 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6333 REFERENCES IN FILE CA (1907 TO DATE)
1941 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
6341 REFERENCES IN FILE CAPLUS (1907 TO DATE)
11 REFERENCES IN FILE CAOLD (PRIOR TO 1967) .

=> s 289705-41-5/rn or 289705-40-4/rn
1 289705-41-5/RN
1 289705-40-4/RN
L3 2 289705-41-5/RN OR 289705-40-4/RN

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 76.30 79.00

FILE 'CAPLUS' ENTERED AT 08:44:25 ON 11 SEP 2006
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 289705-41-5/rn or 289705-40-4/rn
1 289705-41-5

0 289705-41-5D
 1 289705-41-5/RN
 (289705-41-5 (NOTL) 289705-41-5D)
 1 289705-40-4
 0 289705-40-4D
 1 289705-40-4/RN
 (289705-40-4 (NOTL) 289705-40-4D)
 L4 1 289705-41-5/RN OR 289705-40-4/RN

=> d ibib

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000:608618 CAPLUS
 DOCUMENT NUMBER: 133:204807
 TITLE: Molecules for the treatment and diagnosis of tumors
 INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger
 PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
 SOURCE: PCT Int. Appl., 28 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------|-----------------|-------------|
| WO 2000050086 | A1 | 20000831 | WO 2000-EP1553 | 20000224 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2360419 | AA | 20000831 | CA 2000-2360419 | 20000224 |
| EP 1154798 | A1 | 20011121 | EP 2000-910711 | 20000224 |
| EP 1154798 | B1 | 20060510 | | |
| R: AT, BE, CH, DE, DK, ES, FR, IE, SI, LT, LV, FI, RO, CY | | | | |
| JP 2002537360 | T2 | 20021105 | JP 2000-600696 | 20000224 |
| AT 325624 | E | 20060615 | AT 2000-910711 | 20000224 |
| US 6844425 | B1 | 20050118 | US 2001-913788 | 20010815 |
| US 2005019254 | A1 | 20050127 | US 2004-707994 | 20040130 |
| PRIORITY APPLN. INFO.: | | | US 1999-121340P | P 19990224 |
| | | | EP 1999-200754 | A 19990312 |
| | | | WO 2000-EP1553 | W 20000224 |
| | | | US 2001-913788 | A1 20010815 |
| REFERENCE COUNT: | 10 | THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
|----------------------|------------|-------|
|----------------------|------------|-------|

FULL ESTIMATED COST

ENTRY SESSION
9.40 88.40

STN INTERNATIONAL LOGOFF AT 08:44:51 ON 11 SEP 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * * * * Welcome to STN International * * * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11 KOREAPAT updates resume
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in INPADOC
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 08:47:38 ON 11 SEP 2006

```

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY           SESSION
FULL ESTIMATED COST          0.21            0.21

FILE 'REGISTRY' ENTERED AT 08:48:06 ON 11 SEP 2006
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading c:\program files\stnexp\queries\10707994 fig.2

L1      STRUCTURE uploaded

=> d 11
L1 HAS NO ANSWERS
L1      STR
/ Structure 41 in file .gra /

Structure attributes must be viewed using STN Express query preparation.

=> s 11 exa full
FULL SEARCH INITIATED 08:49:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      11 TO ITERATE

100.0% PROCESSED      11 ITERATIONS          1 ANSWERS
SEARCH TIME: 00.00.01

L2      1 SEA EXA FUL L1

```

```
=> s 11 sss full
FULL SEARCH INITIATED 08:49:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 240 TO ITERATE

100.0% PROCESSED 240 ITERATIONS 21 ANSWERS
SEARCH TIME: 00.00.01
```

```
L3 21 SEA SSS FUL L1
```

```
=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
223.92 224.13
```

```
FILE 'CAPLUS' ENTERED AT 08:49:49 ON 11 SEP 2006
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```
FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)
```

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

```
=> s 13
L4 29 L3
```

```
=> s 13/thu
29 L3
809336 THU/RL
L5 0 L3/THU
(L3 (L) THU/RL)
```

```
=> s 13/dgn
29 L3
66042 DGN/RL
L6 0 L3/DGN
(L3 (L) DGN/RL)
```

```
=> s 14 not py>1999
7119107 PY>1999
L7 28 L4 NOT PY>1999
```

```
=> s tumor? or cancer? or neoplas?
440617 TUMOR?
305237 CANCER?
462188 NEOPLAS?
L8 730006 TUMOR? OR CANCER? OR NEOPLAS?
```

```
=> s 18 and 17
L9 0 L8 AND L7
```

FILE 'CAPLUS' ENTERED AT 11:18:51 ON 11 SEP 2006
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 11
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 11:18:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 74 TO ITERATE

100.0% PROCESSED 74 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 964 TO 1996
PROJECTED ANSWERS: 2 TO 124

L3 2 SEA SSS SAM L1

L4 6 L3

=> d ibib 1-6

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1980:171538 CAPLUS
DOCUMENT NUMBER: 92:171538
TITLE: Reductive electrochemical carboxylation of nitrogen heterocycles
AUTHOR(S): Hess, Ulrich; Fuchs, Peter; Jacob, Elke; Lund, Henning
CORPORATE SOURCE: Sekt. Chem., Humboldt-Univ., Berlin, DDR-104, Ger.
Dem. Rep.
SOURCE: Zeitschrift fuer Chemie (1980), 20(2), 64-5
CODEN: ZECEAL; ISSN: 0044-2402
DOCUMENT TYPE: Journal
LANGUAGE: German

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1978:6691 CAPLUS
DOCUMENT NUMBER: 88:6691
TITLE: Synthesis of 3-carbethoxy-8-methoxybenzo[f]isoquinoline as a key intermediate in the synthesis of 14-aza-13-norequilenin methyl ether
AUTHOR(S): Mahajan, R. K.; Singh, Manmohan
CORPORATE SOURCE: Dep. Chem., Himachal Pradesh Univ., Simla, India
SOURCE: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1977), 15B(5), 491-2
CODEN: IJSBDB; ISSN: 0376-4699
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 88:6691

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1975:593579 CAPLUS
DOCUMENT NUMBER: 83:193579
TITLE: Total synthesis of 13- and 14-azaequilenines by heterocycloaddition
AUTHOR(S): Zunnebeld, W. A.; Speckamp, W. N.
CORPORATE SOURCE: Lab. Org. Chem., Univ. Amsterdam, Amsterdam, Neth.
SOURCE: Tetrahedron (1975), 31(15), 1717-21
CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1970:473505 CAPLUS
DOCUMENT NUMBER: 73:73505
TITLE: Androgenic, antiandrogenic, and anabolic activity of azasteroids on immature castrated rats
AUTHOR(S): Saksena, S. K.; Chaudhury, Ranjit R.
CORPORATE SOURCE: Dep. Pharmacol., Postgrad. Inst. Med. Educ. Res., Chandigarh, India
SOURCE: Indian Journal of Medical Research (1913-1988) (1970), 58(4), 513-18
CODEN: IJMRAQ; ISSN: 0019-5340
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1966:75962 CAPLUS
DOCUMENT NUMBER: 64:75962
ORIGINAL REFERENCE NO.: 64:14243c-g
TITLE: Aza steroids
INVENTOR(S): R. H. Jones, Emrys
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.
SOURCE: 4 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|-------|----------|-----------------|----------|
| ----- | ----- | ----- | ----- | ----- |
| GB 1017700 | | 19660119 | GB | 19630515 |

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1965:454552 CAPLUS
DOCUMENT NUMBER: 63:54552
ORIGINAL REFERENCE NO.: 63:9912a-e
TITLE: Reaction of α -halo esters on α -amino

AUTHOR(S): ethers and α -amino nitriles in the presence of
zinc or magnesium
CORPORATE SOURCE: Canceill, Josette; Jacques, Jean
College de France, Paris
SOURCE: Bulletin de la Societe Chimique de France (1965), (4),
903-9
DOCUMENT TYPE: CODEN: BSCFAS; ISSN: 0037-8968
Journal
LANGUAGE: French
OTHER SOURCE(S): CASREACT 63:54552

=> s 13
L5 6 L3

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<http://www.cas.org/ONLINE/UG/reqprops.html>

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FULL SCREEN SEARCH COMPLETED -      1257 TO ITERATE
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100.0% PROCESSED 1257 ITERATIONS 37 ANSWERS
SEARCH TIME: 00.00.01

L6 37 SEA SSS FUL L1

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=> s 16
L7 37 L6

=> s cancer? or tumor? or neoplas?
305237 CANCER?
440617 TUMOR?
462188 NEOPLAS?
L8 730006 CANCER? OR TUMOR? OR NEOPLAS?

=> s 18 and 17
L9 1 L8 AND L7

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L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:608618 CAPLUS
DOCUMENT NUMBER: 133:204807
TITLE: Molecules for the treatment and diagnosis of tumors
INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|----------|
| WO 2000050086 | A1 | 20000831 | WO 2000-EP1553 | 20000224 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2360419 | AA | 20000831 | CA 2000-2360419 | 20000224 |
| EP 1154798 | A1 | 20011121 | EP 2000-910711 | 20000224 |
| EP 1154798 | B1 | 20060510 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY | | | | |
| JP 2002537360 | T2 | 20021105 | JP 2000-600696 | 20000224 |
| AT 325624 | E | 20060615 | AT 2000-910711 | 20000224 |
| US 6844425 | B1 | 20050118 | US 2001-913788 | 20010815 |

| | | | | |
|------------------------|----|---------------------------------------------------------------------------------------------------|-----------------|-------------|
| US 2005019254 | A1 | 20050127 | US 2004-707994 | 20040130 |
| PRIORITY APPLN. INFO.: | | | US 1999-121340P | P 19990224 |
| | | | EP 1999-200754 | A 19990312 |
| | | | WO 2000-EP1553 | W 20000224 |
| | | | US 2001-913788 | A1 20010815 |
| REFERENCE COUNT: | 10 | THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

=> s 17 and metal
 1675553 METAL
 846029 METALS
 2032939 METAL
 (METAL OR METALS)

L10 10 L7 AND METAL

=> d ibib 1-5

L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000:608618 CAPLUS
 DOCUMENT NUMBER: 133:204807
 TITLE: Molecules for the treatment and diagnosis of tumors
 INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger
 PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
 SOURCE: PCT Int. Appl., 28 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|----------|
| WO 2000050086 | A1 | 20000831 | WO 2000-EP1553 | 20000224 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2360419 | AA | 20000831 | CA 2000-2360419 | 20000224 |
| EP 1154798 | A1 | 20011121 | EP 2000-910711 | 20000224 |
| EP 1154798 | B1 | 20060510 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY | | | | |
| JP 2002537360 | T2 | 20021105 | JP 2000-600696 | 20000224 |
| AT 325624 | E | 20060615 | AT 2000-910711 | 20000224 |
| US 6844425 | B1 | 20050118 | US 2001-913788 | 20010815 |
| US 2005019254 | A1 | 20050127 | US 2004-707994 | 20040130 |

PRIORITY APPLN. INFO.:

| | |
|-----------------|-------------|
| US 1999-121340P | P 19990224 |
| EP 1999-200754 | A 19990312 |
| WO 2000-EP1553 | W 20000224 |
| US 2001-913788 | A1 20010815 |

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1995:413350 CAPLUS
 DOCUMENT NUMBER: 122:176988
 TITLE: Synthesis of Pyrroloquinolinequinone Analogs.
 Molecular Structure and Moessbauer and Magnetic
 Properties of Their Iron Complexes
 AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.;

CORPORATE SOURCE: Battioni, J.-P.; Donnadieu, B.; Verelst, M.;
Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.
Laboratoire de Chimie de Coordination, CNRS, Toulouse,
31077, Fr.

SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23
CODEN: INOCAJ; ISSN: 0020-1669

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1957:900 CAPLUS
DOCUMENT NUMBER: 51:900
ORIGINAL REFERENCE NO.: 51:125h-i,126a
TITLE: 5,6-Benzooquinaldinic acid as an analytical reagent. I.
Determination of thorium and zirconium
AUTHOR(S): Majumdar, Anil Kumar; Banerjee, Siddheswar
CORPORATE SOURCE: Coll. Eng. Tech., Bengal, Calcutta
SOURCE: Analytica Chimica Acta (1956), 14, 306-10
CODEN: ACACAM; ISSN: 0003-2670
DOCUMENT TYPE: Journal
LANGUAGE: English

L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1955:83186 CAPLUS
DOCUMENT NUMBER: 49:83186
ORIGINAL REFERENCE NO.: 49:15612c-d
TITLE: 5,6-Benzooquinaldinic acid as an analytical reagent. V.
Separation of cadmium from different elements
AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar
CORPORATE SOURCE: Coll. Eng. Technol., Bengal, Calcutta
SOURCE: J. Indian Chem. Soc. (1955), 32, 85-8
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1954:31977 CAPLUS
DOCUMENT NUMBER: 48:31977
ORIGINAL REFERENCE NO.: 48:5713b-e
TITLE: Diphenylcarbazone as a colorimetric reagent for
bivalent chromium
AUTHOR(S): Bose, Monisha
CORPORATE SOURCE: Univ. Coll. Sci., Calcutta
SOURCE: Science and Culture (1953), 19, 213-14
CODEN: SCINAL; ISSN: 0036-8156
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

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L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 289661-18-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(radiolabeled complexes for treatment and diagnosis of tumors)
RN 289661-18-3 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)

/ Structure 46 in file .gra /

L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 161470-07-1P, 5,6-Dimethoxy-1,3-bis(methoxycarbonyl)benzo[f]quinol

ine
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
 (preparation and base hydrolysis of)
RN 161470-07-1 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, dimethyl ester
(9CI) (CA INDEX NAME)

/ Structure 47 in file .gra /

IT 161470-03-7P 161470-04-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
 (preparation and complexation with iron)
RN 161470-03-7 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester
(9CI) (CA INDEX NAME)

/ Structure 48 in file .gra /

RN 161470-04-8 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester
(9CI) (CA INDEX NAME)

/ Structure 49 in file .gra /

IT 161470-01-5P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (preparation and magnetic moment of)
RN 161470-01-5 CAPLUS
CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-
dicarboxylato(3-)O5,O6]-, compd. with N,N-diethylethanamine hydrochloride
(1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 161470-00-4
CMF C32 H16 Cl Fe N2 O12
CCI CCS

/ Structure 50 in file .gra /

CM 2

CRN 554-68-7
CMF C6 H15 N . Cl H

/ Structure 51 in file .gra /

IT 142422-23-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
 (preparation, protection, oxidation, base hydrolysis, and complexation with
iron)
RN 142422-23-9 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, dimethyl ester
(9CI) (CA INDEX NAME)

/ Structure 52 in file .gra /

L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(formed therefrom, in titanium determination)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 53 in file .gra /

(in analysis of Th and Zr, and compds. formed therefrom
(in titanium detn., and Ti deriv. formed therefrom

L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(in cadmium determination)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 54 in file .gra /

L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(in analysis)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 55 in file .gra /

L10 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(in analysis)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 56 in file .gra /

L10 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(and salts, in analytical chemistry)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 57 in file .gra /

L10 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(in cadmium determination)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 58 in file .gra /

L10 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, 5,6-Benzoquininaldic acid
(in analysis)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 59 in file .gra /

L10 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, 5,6-Benzoquinoline-3-carboxylic acid
(preparation of)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 60 in file .gra /

=> d ibib abs hitstr 1-10

L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:608618 CAPLUS
DOCUMENT NUMBER: 133:204807
TITLE: Molecules for the treatment and diagnosis of tumors
INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-----------------|-------------|
| WO 2000050086 | A1 | 20000831 | WO 2000-EP1553 | 20000224 |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2360419 | AA | 20000831 | CA 2000-2360419 | 20000224 |
| EP 1154798 | A1 | 20011121 | EP 2000-910711 | 20000224 |
| EP 1154798 | B1 | 20060510 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY | | | | |
| JP 2002537360 | T2 | 20021105 | JP 2000-600696 | 20000224 |
| AT 325624 | E | 20060615 | AT 2000-910711 | 20000224 |
| US 6844425 | B1 | 20050118 | US 2001-913788 | 20010815 |
| US 2005019254 | A1 | 20050127 | US 2004-707994 | 20040130 |
| PRIORITY APPLN. INFO.: | | | US 1999-121340P | P 19990224 |
| | | | EP 1999-200754 | A 19990312 |
| | | | WO 2000-EP1553 | W 20000224 |
| | | | US 2001-913788 | A1 20010815 |

AB The invention relates to mols. for treatment and diagnosis of tumors and malignancies, comprising a tumor seeking biomol., which is coupled to an intercalating moiety, which is capable of complexing a metal, which metal is preferably a radioactive metal, to the use of these mols. and to therapeutic and diagnostic compns. containing them.

IT 289661-18-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(radiolabeled complexes for treatment and diagnosis of tumors)
RN 289661-18-3 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)

/ Structure 61 in file .gra /

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:413350 CAPLUS
DOCUMENT NUMBER: 122:176988
TITLE: Synthesis of Pyrroloquinolinequinone Analogs.
Molecular Structure and Moessbauer and Magnetic Properties of Their Iron Complexes
AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.;
Battioni, J.-P.; Donnadieu, B.; Verelst, M.;
Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.
CORPORATE SOURCE: Laboratoire de Chimie de Coordination, CNRS, Toulouse,
31077, Fr.
SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23
CODEN: INOCAJ; ISSN: 0020-1669
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Four complexes, FeII(L2)2 (1), [FeII(L2)(Cl)(MeOH)2]2 (2), FeII(L3H2)2 (3), and FeIII(L4)2Cl·2(Et3N·HCl)·0.5MeCN (4), wherein L2H, L3H3, and L4H are analogs of pyrroloquinolinequinone or methoxatin (PQQ), were synthesized and studied. 2 Crystallizes in the triclinic system, space group P.hivin.1, Z = 2, a 9.588(6), b 10.011(7), c 11.770(5) Å, α 96.66(5), β 99.21(5), and γ 107.93(7)°. The structure was solved by direct methods and refined to conventional agreement indexes R = 0.054 and Rw = 0.063 with 2683 unique reflections for which I > 3σ(I). The mol. structure of 2 consists of discrete [FeII(L2)(Cl)(MeOH)2] mols. associated into dimeric units through the carboxylate function of L2. The carboxylate O atoms of the two mols. constituting the dimeric unit bridge the metal centers affording a Fe···Fe' separation of 3.645(4) Å. The distorted coordination octahedron around each Fe(II) includes the pyridine N and carboxylate O atoms of L2, the chloride anion, and the O atom of two MeOH mols. The synthesis and IR, Moessbauer, and magnetic susceptibility studies of 1-4 evidence the variety of structural types and nuclearities obtained for Fe complexes of PQQ analogs, depending upon the stoichiometry and pH of the reactions. Complexes 1 and 3 (mononuclear) and 4 (polynuclear) were characterized by the 1:2 Fe:L ratio while complex 2 (dimer) was characterized by the 1:1 Fe:L ratio. Among the analogs used, those of the reduced form of PQQ chelate Fe through their tridentate site while chelation occurs preferentially at the quinonic site for the analog of the oxidized form of PQQ.
IT 161470-07-1P, 5,6-Dimethoxy-1,3-bis(methoxycarbonyl)benzo[f]quinoline
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and base hydrolysis of)
RN 161470-07-1 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, dimethyl ester (9CI) (CA INDEX NAME)

/ Structure 62 in file .gra /

IT 161470-03-7P 161470-04-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
 (preparation and complexation with iron)
RN 161470-03-7 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester
(9CI) (CA INDEX NAME)

/ Structure 63 in file .gra /

RN 161470-04-8 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester
(9CI) (CA INDEX NAME)

/ Structure 64 in file .gra /

IT 161470-01-5P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (preparation and magnetic moment of)
RN 161470-01-5 CAPLUS
CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-
dicarboxylato(3-)O5,O6]-, compd. with N,N-diethylethanamine hydrochloride
(1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 161470-00-4
CMF C32 H16 Cl Fe N2 O12
CCI CCS

/ Structure 65 in file .gra /

CM 2

CRN 554-68-7
CMF C6 H15 N . Cl H

/ Structure 66 in file .gra /

IT 142422-23-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
 (preparation, protection, oxidation, base hydrolysis, and complexation with
 iron)
RN 142422-23-9 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, dimethyl ester
(9CI) (CA INDEX NAME)

/ Structure 67 in file .gra /

L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1957:900 CAPLUS
DOCUMENT NUMBER: 51:900
ORIGINAL REFERENCE NO.: 51:125h-i,126a
TITLE: 5,6-Benzquinolinic acid as an analytical reagent. I.
 Determination of thorium and zirconium
AUTHOR(S): Majumdar, Anil Kumar; Banerjee, Siddheswar
CORPORATE SOURCE: Coll. Eng. Tech., Bengal, Calcutta

SOURCE: Analytica Chimica Acta (1956), 14, 306-10
CODEN: ACACAM; ISSN: 0003-2670
DOCUMENT TYPE: Journal
LANGUAGE: English
AB cf. C.A. 48, 4358i, 5713b. 5,6-Benzoquinaldinic acid (I) ppts. Th quantitatively at pH 3.0 or greater to form the anhydrous compound Th(C₁₄H₈O₂N)₄ which can be weighed as such after drying at 110° or after washing with alc. and acetone, or which can be ignited to the oxide. The precipitation of Zr with I is quant. at pH values of 1.8 or greater, but the precipitate varies in composition, hence must be ignited to the oxide.
Separation of Th and Zr from the rare earths is accomplished by simple precipitation from acid solution. The tendency of Mg and the alkaline earths to coppt. is countered by the addition of NH₄Cl.
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid (formed therefrom, in titanium determination)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 68 in file .gra /

(in analysis of Th and Zr, and compds. formed therefrom
(in titanium detn., and Ti deriv. formed therefrom

L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1955:83186 CAPLUS
DOCUMENT NUMBER: 49:83186
ORIGINAL REFERENCE NO.: 49:15612c-d
TITLE: 5,6-Benzoquinaldinic acid as an analytical reagent. V. Separation of cadmium from different elements
AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar
CORPORATE SOURCE: Coll. Eng. Technol., Bengal, Calcutta
SOURCE: J. Indian Chem. Soc. (1955), 32, 85-8
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. C.A. 48, 4358i. The reagent 5,6-benzoquinaldinic acid can be used for the estimation of Cd and for its separation from tartrate, phosphate, arsenate, vanadate, tungstate, molybdate, alkaline earths, Ag, Hg, Pb, Be, Th, Zr, U, rare earths, Fe, Al, Cr, Ti, Bi, Sb, and Sn either by the proper control of pH or by the use of complexing agents, such as thiourea and tartrate.
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid (in cadmium determination)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

/ Structure 69 in file .gra /

L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1954:31977 CAPLUS
DOCUMENT NUMBER: 48:31977
ORIGINAL REFERENCE NO.: 48:5713b-e
TITLE: Diphenylcarbazone as a colorimetric reagent for bivalent chromium
AUTHOR(S): Bose, Monisha
CORPORATE SOURCE: Univ. Coll. Sci., Calcutta
SOURCE: Science and Culture (1953), 19, 213-14
CODEN: SCINAL; ISSN: 0036-8156
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB Diphenylcarbazone gives an intense red-violet coloration with Cr++ (C.A.